

Fig.1.

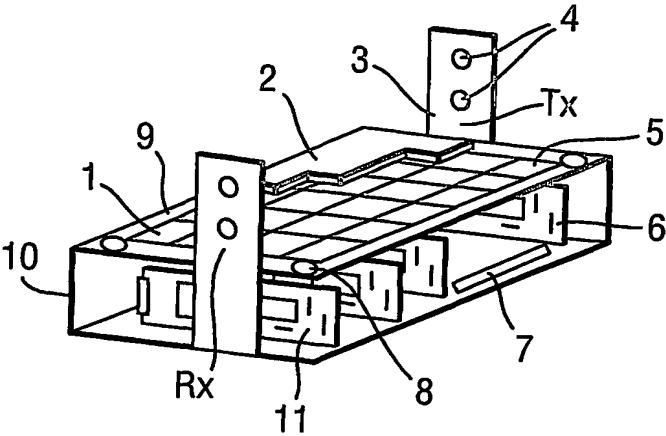
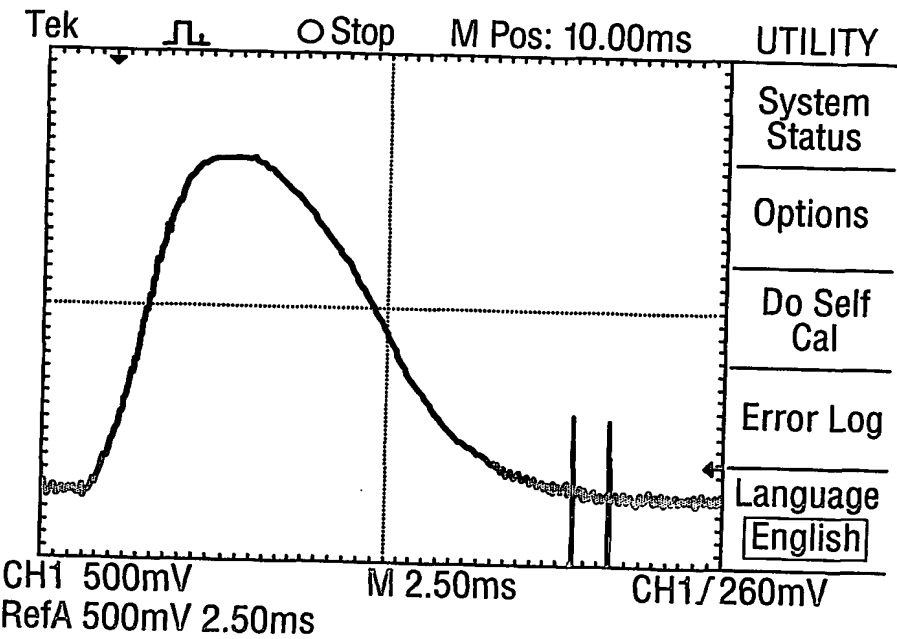
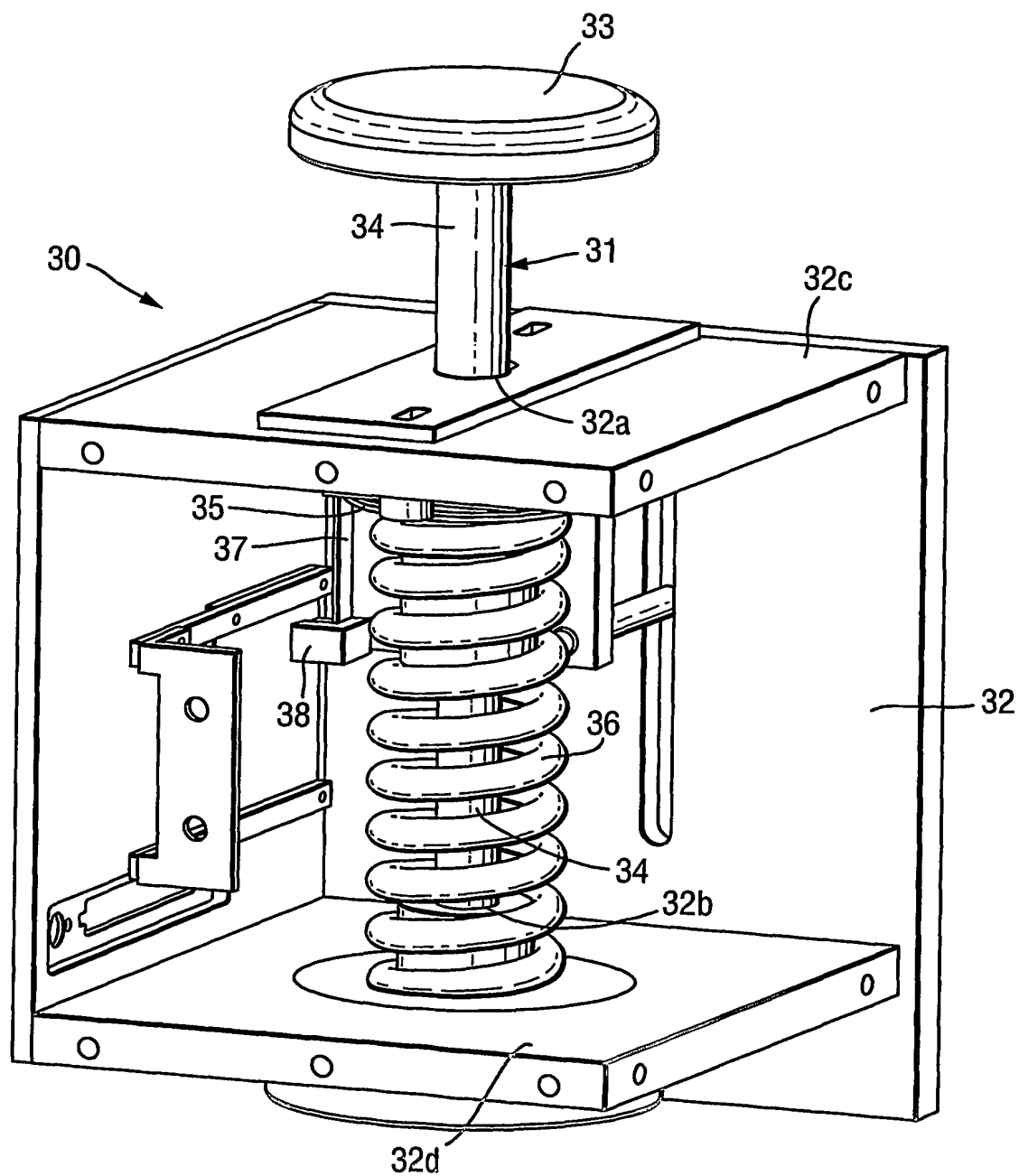


Fig.2.



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Fig. 3.



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Fig.4.

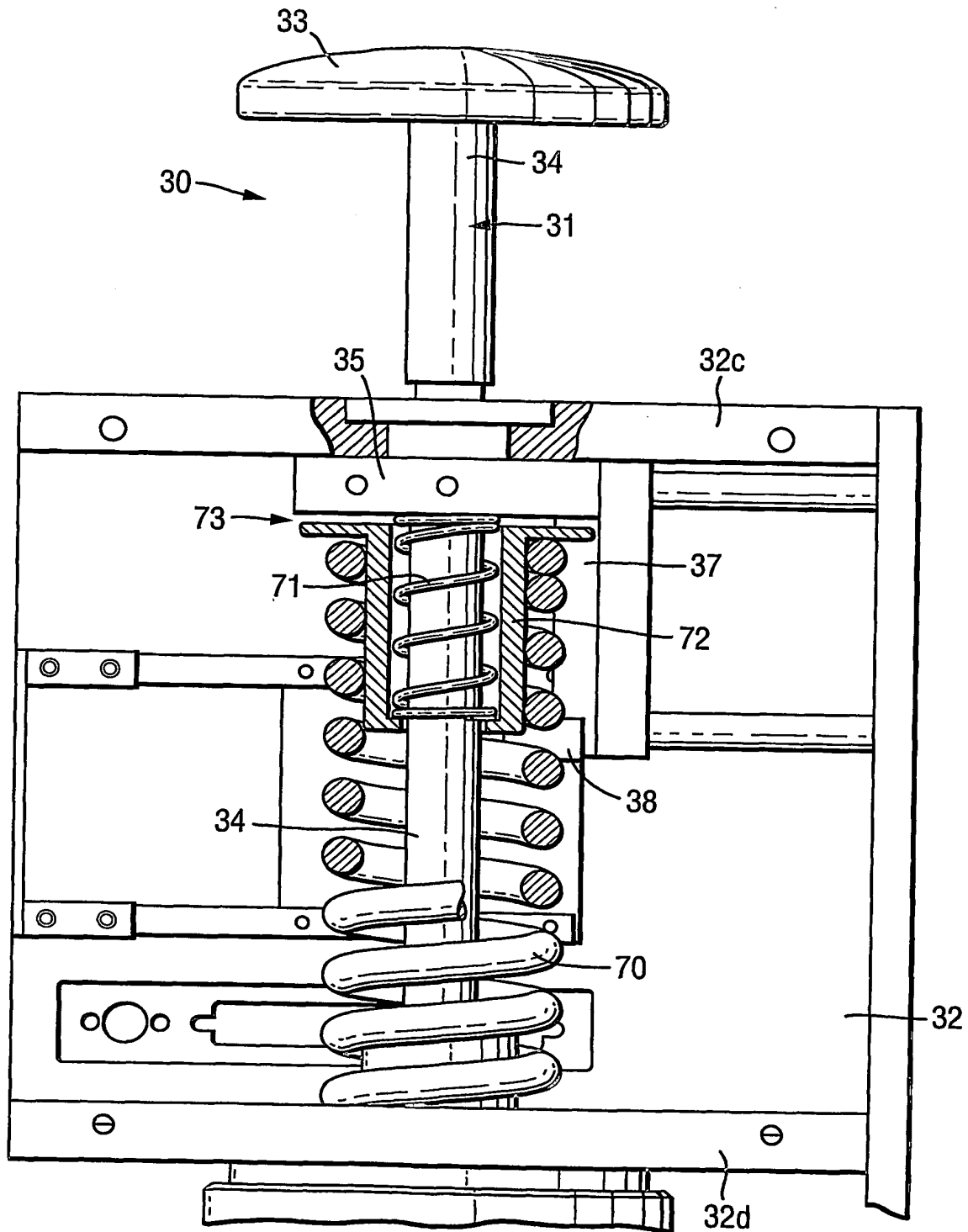


Fig. 5.

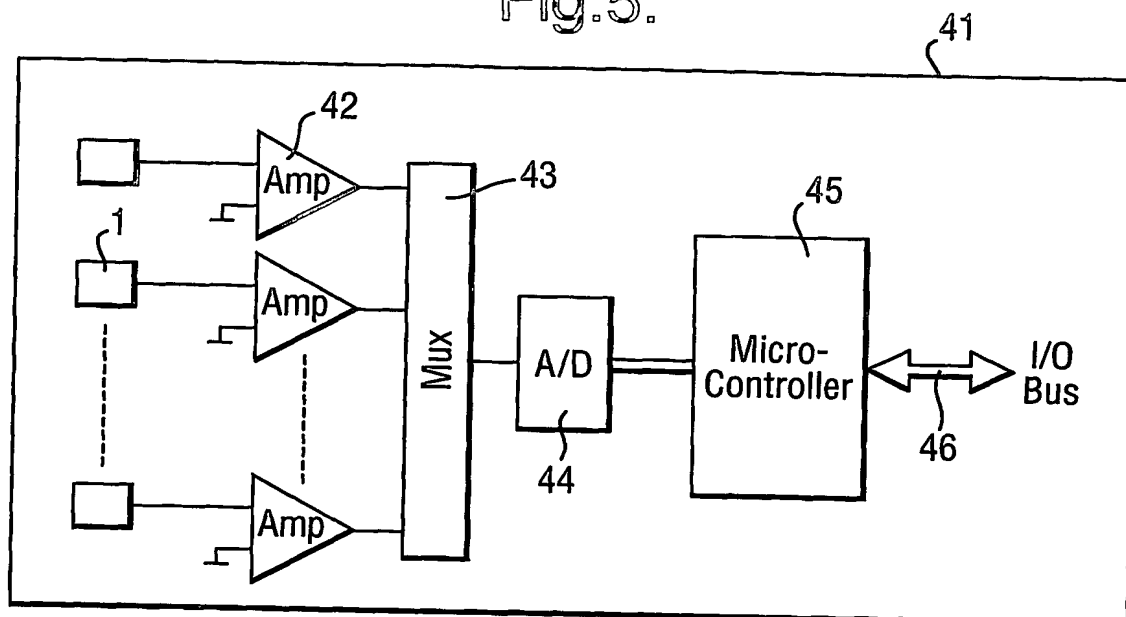
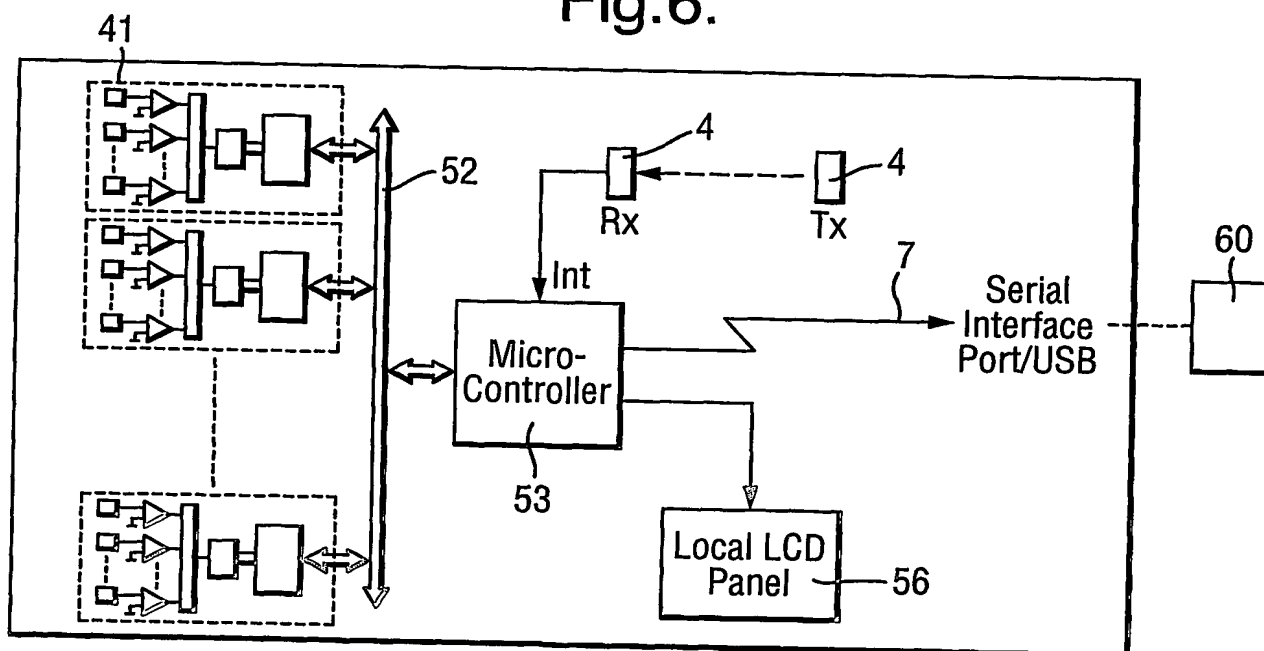


Fig.6.



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Fig.7.

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PROTOCOL WINDOW

<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">IDENTIFIER <input style="width: 100%;" type="text"/></div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">DATE/TIME <i>(Date/Time Stamp)</i></div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">PADDING A B C</div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">THUMP # <input style="width: 100%;" type="text"/></div> <div style="border: 1px solid black; padding: 5px;">COMMENTS <div style="border: 1px solid black; height: 40px; width: 100%;"></div></div>	<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">“Default Information”- can be filled in before or at any time (remains in memory), if not completed, then will pop up when saving with the below Mandatory fields</div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">FEEDBACK FROM ‘THUMPER’ on off</div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">HIT AS INTENDED ? Y N</div> <div style="border: 1px solid black; padding: 5px;">FELT PHYSIOLOGICAL ? 1 2 3 4 5 <div style="display: flex; justify-content: space-between; width: 100%;">agreedisagree</div></div>
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Can be turned off for ‘testing’

based on threshold
entered in set-up window

“Mandatory fields”-to
pop up for completion
when saving

Fig.7(Cont.A)

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SET-UP WINDOW

<div style="display: flex; justify-content: space-between; align-items: center;">PADDING<div style="display: flex; gap: 10px;"><div style="border: 1px solid black; padding: 2px 5px;">A</div><div style="border: 1px solid black; padding: 2px 5px;">B</div><div style="border: 1px solid black; padding: 2px 5px;">C</div></div></div>		<div style="border: 1px solid black; padding: 5px;">"Calibration"-for calibration of the three different layers of padding</div> <div style="border: 1px solid black; padding: 5px;">"Threshold Details"- (% of F_{max}) for exclusion of off-centre thumps, and a sensor exclusion input area for over-riding other sensors</div>
<div style="display: flex; justify-content: space-between;"><div style="width: 45%; padding: 5px;"><div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">MAX FORCE ALLOWABLE IN DUTER CIRCLE (rows A and H/columns 1 and D)</div><div style="border: 1px solid black; width: 100px; height: 20px; margin-bottom: 5px;"></div><div style="border: 1px solid black; width: 100px; height: 20px;"></div></div><div style="width: 50%; padding: 5px;"><div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">EXCLUDE SENSORS</div><div style="border: 1px solid black; width: 100px; height: 20px; margin-bottom: 5px;"></div><div style="border: 1px solid black; width: 100px; height: 20px;"></div></div></div>		

*if max force is exceeded in the
outer circle, (or in any inputted
sensor from column2), 'void'
will show on real-time display
(next page)

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Fig.7.(Cont.B)

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"Sensor Number"-
letter and number, to be
determined by 'clicking'
on a sensor square

REAL-TIME DISPLAY

Based on threshold data,
(see icon on previous page)

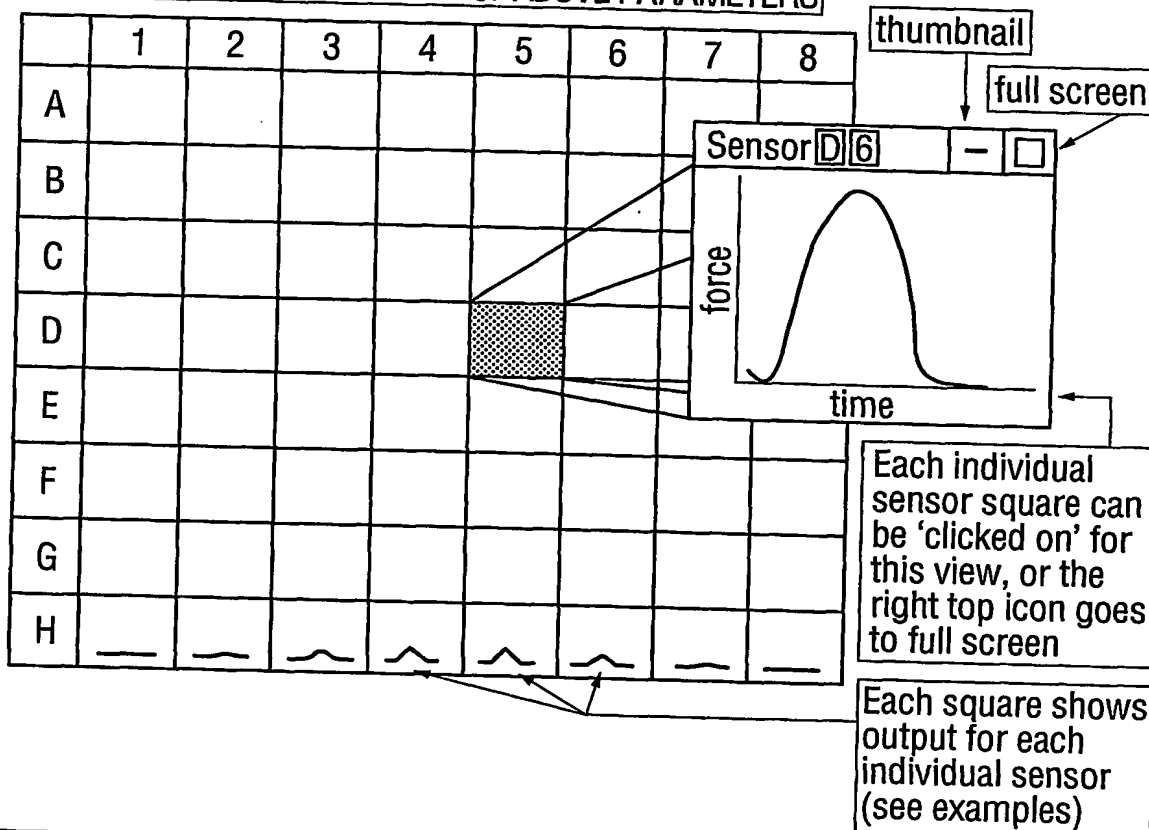
OK VOID

"Summary window"-
summary of ALL
sensors

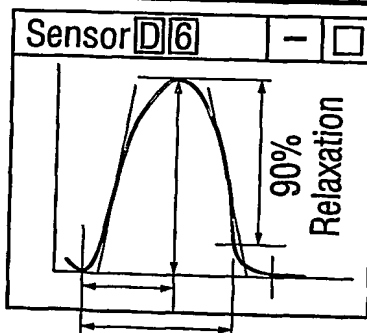
All	F_{max}	<input type="text"/>	dF/dt_{max}	<input type="text"/>
	T_{Fmax}	<input type="text"/>	$-dF/dt_{max}$	<input type="text"/>
	$T_{90\%relax}$	<input type="text"/>		
Sensor	F_{max}	<input type="text"/>	dF/dt_{max}	<input type="text"/>
D6	T_{Fmax}	<input type="text"/>	$-dF/dt_{max}$	<input type="text"/>
	$T_{90\%relax}$	<input type="text"/>		

"Data window"-for
individual (selected)
sensors

SEE BELOW KEY FOR EXPLANATION OF ABOVE PARAMETERS



EXPLANATION OF
ABOVE PARAMETERS

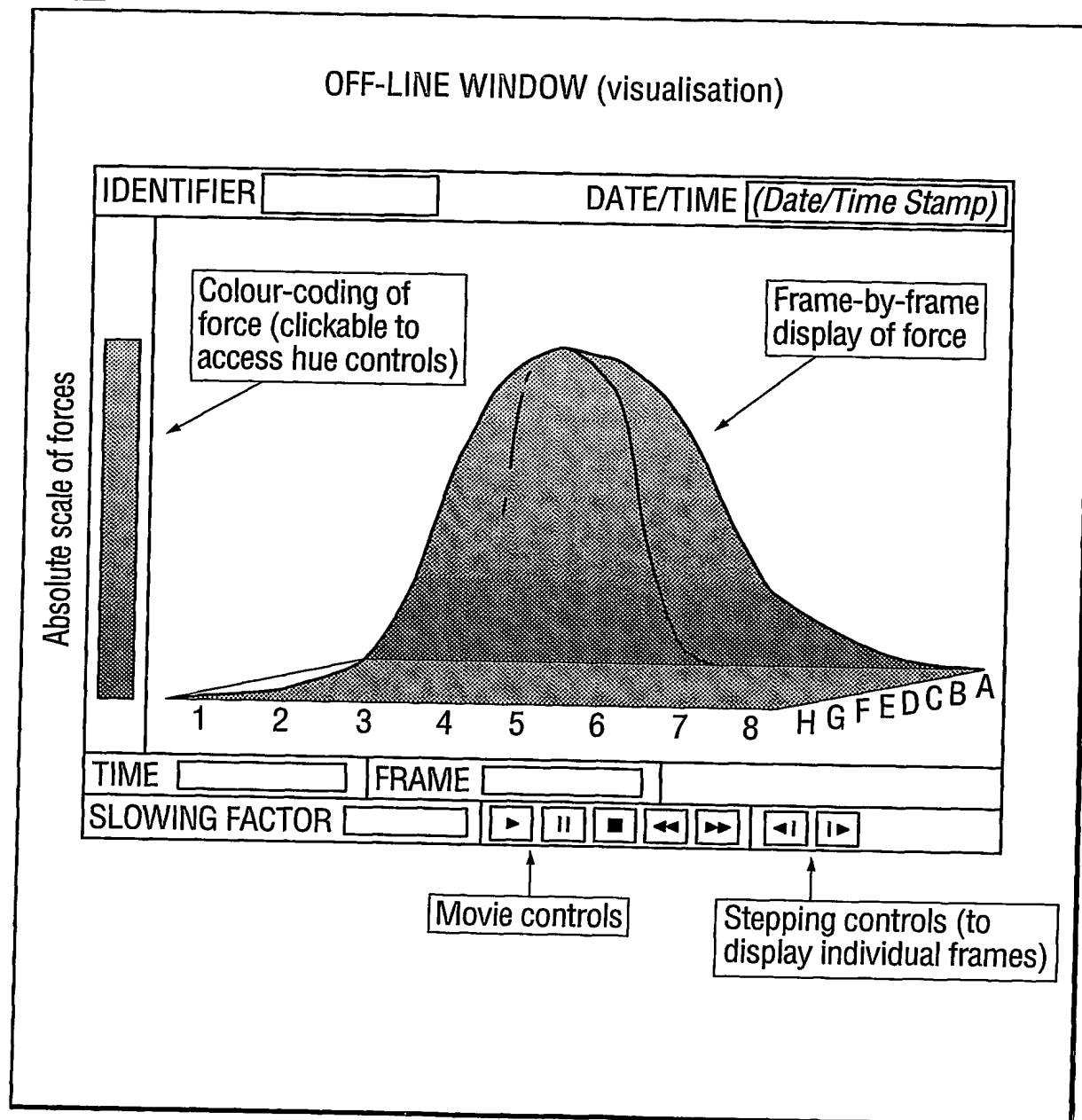


KEY	
F_{max}	
T_{Fmax}	
$T_{90\%relax}$	
$(dF/dt)_{max}$	
$-(dF/dt)_{max}$	

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Fig.7(Cont.C)

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Fig.8.

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